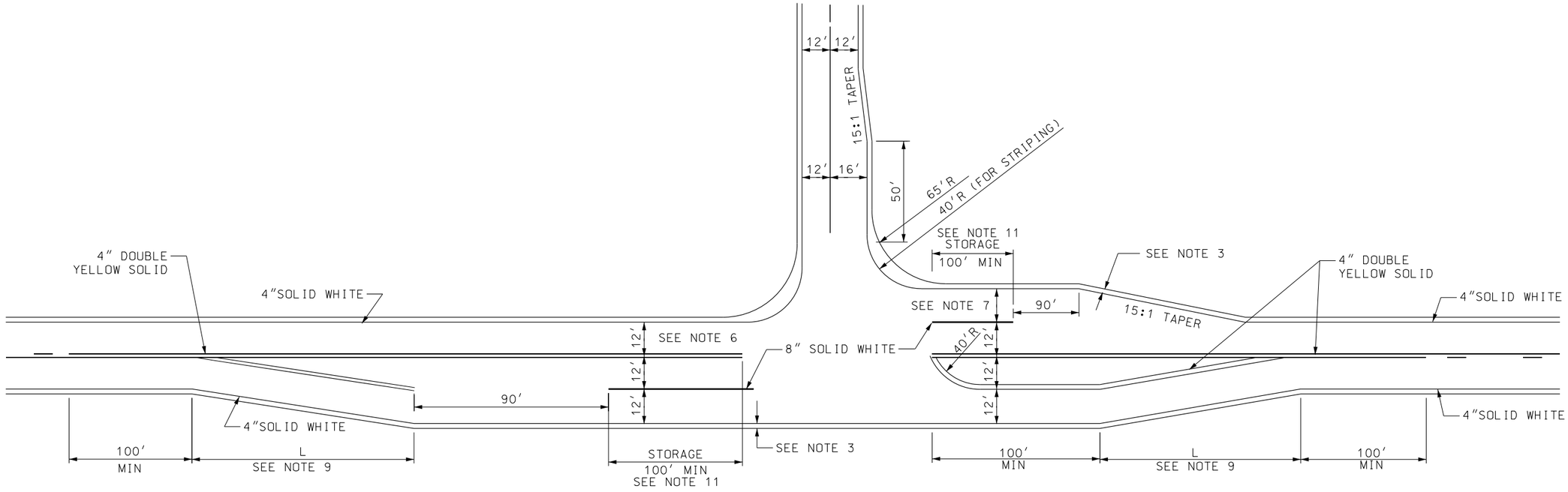

NOTES:

1. USE CURRENT EDITION OF THE AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS FOR DESIGN OF ROADWAY ELEMENTS NOT SHOWN ON THIS STD DWG.
2. USE CURRENT EDITION OF THE AASHTO ROADSIDE DESIGN GUIDE FOR CLEAR ZONE REQUIREMENTS NOT SHOWN ON THIS STD DWG.
3. USE 4 FEET MINIMUM SHOULDER FOR RIGHT TURN DECELERATION LANE TAPER AND RIGHT TURN STORAGE LANE. MATCH EXISTING WIDTH OF SHOULDER, WITH A 4 FEET MINIMUM, AT ALL OTHER SHOULDER LOCATIONS.
4. STANDARDS SHOWN ARE RECOMMENDED VALUES. EXCEED STANDARDS IF CONDITIONS PERMIT.
5. USE STD DWG DD 14A FOR RIGHT TURN AND/OR LEFT TURN ACCELERATION LANES IF REQUIRED. USE "D" VALUES IN THIS STD DWG FOR DESIGN.
6. USE A 16 FEET MINIMUM ACCEPTANCE LANE FOR 50 FEET WITH A 15:1 TAPER WHEN RIGHT TURN ACCELERATION LANE IS NOT USED.
7. 12′ LANE WIDTH DESIRABLE
   10′ MINIMUM LOW VOLUME.
8. SEE STD DWG ST 5 FOR INFORMATION ON STRIPING DETAILS.
9. FOR POSTED SPEED ≤ 40 MPH, USE $L = \frac{WS^2}{60}$
   L = TAPER LENGTH IN FEET
   W = WIDTH OF OFFSET IN FEET
   S = SPEED IN MPH
10. PROVIDE A TWO WAY LEFT TURN LANE CONNECTING ADJACENT ACCESS POINTS WHEN THEIR TAPERS OVERLAP, OR AS REQUIRED BY THE REGION TRAFFIC ENGINEER.
11. INCREASE VEHICLE STORAGE LENGTH AS DETERMINED BY ENGINEERING STUDY OR REGION TRAFFIC ENGINEER.

TABLE I

MINIMUM LEVELS FOR INSTALLATION OF TURN AND ACCELERATION LANES ON TWO LANE ROADS

SPEED	LEFT TURN LANE	RIGHT TURN LANE	RIGHT TURN ACCELERATION LANE	LEFT TURN ACCELERATION LANE
40 MPH AND LESS	25 VPH	50 VPH	*OPTIONAL	*OPTIONAL

VPH= VEHICLES PER HOUR IN ANY ONE HOUR PERIOD IN PASSENGER CAR EQUIVALENTS.
* SEE NOTE 5.

"D" DISTANCE

SPEED MPH	"D" FEET	3/4 "D" FEET
25	325	245
30	450	340
35	550	415
40	650	490

SUPPLEMENTAL DRAWING

REVISIONS

NO.	DATE	APPR.	REMARKS
1	04/26/07	JL	NEW DRAWING.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — APR.26.2007 DATE
CHAIRMAN STANDARDS COMMITTEE
APPROVED — APR.26.2007 DATE
DEPUTY DIRECTOR

TYPICAL RURAL 2 LANE ROAD "TEE" INTERSECTION (LOW SPEED)

STANDARD DRAWING TITLE

STD DWG
DD 14B

DGN File:L:\Standard_Drawings\Imperial\2005Approved\Supplemental_Issues\Supp2Approved\DD14B.dgn
08-MAY-2007